

54. A scene description processing unit according to Claim 53, wherein a scene description is selected from among a plurality of predefined scene descriptions, and then transferred.

55. A scene description processing unit according to Claim 53, wherein a predefined scene description is converted into another scene description, and then transferred.

*Following claims are renumbered
under rule 126*

56

~~57~~. A scene description processing unit according to Claim 53, wherein a scene description that conforms to a transmission rate, at which the signals are transmitted in conformity with the state of a transmission line and/or a request issued from a receiving side as one or more signals to be used to construct a scene, and/or quality is transferred.

57

~~58~~. A scene description processing unit according to Claim 53, wherein a scene description that includes information necessary for a receiving side to decode the signals, which are transferred in conformity with the state of a transmission line and/or a request issued from the receiving side as one or more signals to be used to

construct a scene, is transferred.

58

~~59~~. A scene description processing unit according to Claim 53, wherein a scene description that specifies whether the signals that are transferred in conformity with the state of a transmission line and/or a request issued from a receiving side as one or more signals to be used to construct a scene are used or not is transferred.

59

~~60~~. A scene description processing unit according to Claim 53, wherein a scene description whose complexity conforms to the state of a transmission line and/or a request issued from a receiving side is transferred.

60

~~61~~. A scene description processing unit according to ⁵⁹~~60~~, wherein a scene description with which a first part scene within a scene is replaced with a second part scene whose complexity is different from the complexity of the first part scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

61

~~62~~. A scene description processing unit according to ⁵⁹~~60~~, wherein a scene description with which a part scene within a scene is removed or a new part scene is added

to the scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

⁶²
~~63~~. A scene description processing unit according to Claim ~~60~~⁵⁹, wherein a quantization step at which a scene description is encoded is modified in conformity with the state of a transmission line and/or a request issued from a receiving side.

⁶³
~~64~~. A scene description processing unit according to Claim ~~53~~^{53 not changed}, wherein a scene description is divided into a plurality of decoding units in conformity with the state of a transmission line and/or a request issued from a receiving side, and then transferred.

⁶⁴
~~65~~. A scene description processing unit according to Claim ~~64~~⁶³, wherein a time interval between time instants at which a receiving side decodes each of the plurality of decoding units into which a scene description is divided is adjusted.

⁶⁷
~~66~~. A scene description processing method for processing a scene description that describes the structures of one or more signals to be used to construct a scene,

wherein:

when a scene description must be transmitted over a transmission line, a scene description that conforms to the state of the transmission line and/or a request issued from a receiving side is transferred.

⁶⁶
~~67.~~ A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description is selected from among a plurality of predefined scene descriptions, and then transferred.

⁶⁷
~~68.~~ A scene description processing method according to Claim ⁶⁵~~66~~, wherein a predefined scene description is converted into another scene description, and then transferred.

⁶⁸
~~69.~~ A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description is encoded and then transferred.

⁶⁹
~~70.~~ A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description that conforms to a transmission rate, at which the signals are transmitted in conformity with the state of a transmission line and/or a request issued from a receiving signal as one or more

signals to be used to construct a scene, and/or quality is transferred.

⁷⁰
71. A scene description processing method according to Claim ⁶⁵66, wherein a scene description that includes information necessary for a receiving signal to decode the signals that are transferred in conformity with the state of a transmission line and/or a request issued from the receiving signal as one or more signals to be used to construct a scene is transferred.

⁷¹
72. A scene description processing method according to Claim ⁶⁵66, wherein a scene description that specifies whether the signals which are transferred in conformity with the state of a transmission line and/or a request issued from a receiving signal as one or more signals to be used to construct a scene are used or not is transferred.

⁷²
73. A scene description processing method according to Claim ⁶⁵66, wherein a scene description whose complexity conforms to the state of a transmission line and/or a request issued from a receiving side is transferred.

⁷³
74. A scene description processing method according to Claim ⁷²73, wherein a scene description with which a first

part scene within a scene is replaced with a second part scene whose complexity is different from the complexity of the first part scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

⁷⁴
75. A scene description processing method according to Claim ⁷²~~73~~, wherein a scene description with which a part scene within a scene is removed or a new part scene is added to the scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

⁷⁵
76. A scene description processing method according to Claim ⁷²~~73~~, wherein a quantization step at which a scene description is encoded is modified in conformity with the state of a transmission line and/or a request issued from a receiving side.

⁷⁶
77. A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description is divided into a plurality of decoding units in conformity with the state of a transmission line and/or a request issued from a receiving side.

